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முழுப் பதிப்புரிமையுடையது]
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Open Competitive Examination for Recruitment to Class 3 Grade III of
Information and Communication Technology Service - 2014 (2015)

(i) ICT Written Test

Two hours

Instructions to Candidates

Very Important :

Do not use Pencils
to write answers.



* Answer scripts where the numbers are not written as indicated below will not be marked / evaluated.

1 2 3 4

Write your Index Number here, and
on pages 3 and 5 in the spaces
indicated.

.....

Checked as correct

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Invigilator's Initials

Important :

- * This paper consists of 75 questions on 10 pages.
- * Before answering the paper arrange all the pages in order.
- * Answer all questions on this paper itself.
- * The time allowed for this paper is two hours.
- * Commence answering only after the Centre Supervisor's announcement.
- * Instructions given should be strictly followed in answering this paper and marks will not be awarded for answers not in accordance with these instructions.
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For Examiner's use only

Page No.	Question No.	Marks Awarded
2	1 - 10	
3	11 - 21	
4	22 - 30	
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7	51 - 56	
8	57 - 61	
9	62 - 66	
10	67 - 71	
11	72 - 75	
Total		

Final Score


In figures	
In words	
Marking Examiner	
Checked by	

- For questions from No. 1 to 50, select the correct or the most appropriate answer and write the **number** of the relevant choice **on the dotted line** provided against the question

1. Which of the following is **not** an essential component of a computer?
(1) Monitor (2) CPU
(3) CD-ROM (4) Memory (.....)
2. What is the technique that extends storage capacity of the main memory beyond the actual size?
(1) multitasking (2) virtual storage
(3) multiprocessing (4) switching (.....)
3. Which of the following can be used to both input output data?
(1) keyboard (2) touch screen
(3) scanner (4) mouse (.....)
4. Which software installation option would allow you to select the components you wish to install?
(1) Typical (2) Portable
(3) Full (4) Custom (.....)
5. "Software is any that tells what to do."
Which of the following pair of words best suits to fill the two blanks of this statement respectively?
(1) program, device (2) code, hardware
(3) instruction, CPU (4) set of instructions, hardware (.....)
6. A print queue includes a list of
(1) all the users who have access to that printer.
(2) printers that have been used in the office within the day.
(3) documents commanded to be printed in that printer by all the users.
(4) documents that have been printed on this printer, within the day. (.....)
7. Which of the following would indicate that the motherboard battery has failed?
(1) Operating system passwords are lost.
(2) Files on the hard disk are lost or corrupted.
(3) Settings of virtual memory, revert to default values.
(4) Current date and time revert to the default values. (.....)
8. Which of the following is an advantage of 'a switch' over 'a hub'?
(1) Reducing network traffic
(2) Preventing spread of viruses
(3) Connecting a computer directly related to the internet
(4) Managing password security at a workstation (.....)
9. Which of the following statements about 'Read Only Memory (ROM)' is true?
(1) Application programs can write data to ROM.
(2) The contents of ROM are not deleted when the computer is switched off.
(3) Web pages are stored in ROM while they are being loaded.
(4) The contents of ROM are deleted when the computer is switched off. (.....)
10. Zip is a (an) file
(1) compressed (2) system
(3) program (4) executable (.....)



11. A which is also known as pen drive, thumb drive, key drive or jump drive is an excellent way to transfer photos from one computer to another.
(1) USB flash drive (2) Hard drive
(3) CD ROM (4) DVD (.....)
12. Internet runs on protocol.
(1) http (2) ftp (3) tcp/ip (4) ip (.....)
13. http stands for
(1) hot text termination protocol.
(2) high text transfer protocol.
(3) hyper text transfer protocol.
(4) high text termination protocol. (.....)
14. Which of the following **not** a function of an anti-virus software?
(1) it makes Internet secure.
(2) it scans all the incoming files.
(3) it stops virus coming into your computer.
(4) it makes file downloading efficient. (.....)
15. Facebook is a network.
(1) communication (2) software (3) media (4) social (.....)
16. A junk email is a
(1) virus (2) spam (3) attachment (4) film (.....)
17. Which of the following is true with respect to URL?
(1) URL stands for 'Universal Resource Locator.'
(2) It refers to a directory path of a file.
(3) It has no relationship with an IP address.
(4) We can access a web site using a URL. (.....)
18. Which of the following **cannot** be used for chatting?
(1) Google (2) Yahoo (3) Skype (4) Linux (.....)
19. Which of the following is **not** correct with respect to 'WWW'?
(1) A web address should begin with WWW.
(2) It is a collection of millions of web pages.
(3) WWW can be anywhere in a web address.
(4) It may have sound and video files. (.....)
20. Which of the following is a copy of an email message sent to a recipient whose email address does not appear in the message?
(1) CC (2) To (3) BCC (4) Sender (.....)
21. Which of the following is the most serious damage an unauthorized user could cause through logging in to the system administrator's computer?
(1) Accessing backup logs
(2) Changing access to printers
(3) Changing desktop background
(4) Changing the system administrator's password (.....)

22. Which of the following **cannot** be inserted to a MSWord document?
 (1) Bitmap image (2) Hyperlink
 (3) Header (4) Email message (.....)
23. Your director asks you to prepare the Daily Sales Reports containing a graph based on daily sales data stored in a spreadsheet. The report needs to display the most recent information daily. Which of the following should you use for this purpose?
 (1) Copy and paste the graph from the spreadsheet daily
 (2) Hyperlinking the chart
 (3) Automated importing
 (4) Linking and embedding (.....)
24. An MSWord document **cannot** be saved as a (an)
 (1) web page (2) XML document
 (3) plain text document (4) CSV file (.....)
25. The paragraph mark (¶) is a formatting mark that indicates where in the document the of the keyboard was pressed.
 (1) tab key (2) space bar (3) enter key (4) shift key (.....)
26. The icon  is used in MSWord to
 (1) increase the font size of a selected text
 (2) make the selected letter capital
 (3) bold the word next to cursor
 (4) superscript the selected letter (.....)
27. Which of the following is true with respect to MSWord?
 (1) Line numbers cannot be inserted to an MSWord document.
 (2) Page break can be inserted anywhere in an MSWord document.
 (3) It is not possible to split the context into two or more columns in MSWord document.
 (4) There are three types of page orientations in MSWord. (.....)
28. Which of the following statements are **incorrect** regarding a document which is set as 'Read only'?
 (1) You can read the file.
 (2) You can copy and paste the content to another file.
 (3) You can save changes to the document.
 (4) You can save the document as a new file. (.....)
29. Assume that you want to print a document as a booklet. Which of the following feature would be the most useful for this purpose?
 (1) print preview (2) page size (3) mirror margins (4) page border (.....)
30. If the formula in cell G6 of the following worksheet was copied and pasted into the cell F5, the resulting formula in F5 would be,

	A	B	C	D	E	F	G	H	I
1									
2									
3									
4									
5						?			
6							=B2+\$H3		

- (1) =B1+\$H2.
 (2) =A1+\$H2.
 (3) =A2+\$H3.
 (4) =B2+G2. (.....)



31. Which of the following is the shortcut for inserting a function into an MSExcel spreadsheet?
(1) shift+F1 (2) shift+F2 (3) shift+F3 (4) shift+F4 (.....)
32. What will be the value displayed in the C1 of the following worksheet?
- | | | | | |
|---|----|---|-----------------|---|
| | C1 | | =ROUND(A1/B1,3) | |
| | A | B | C | D |
| 1 | 2 | 3 | | |
| 2 | | | | |
- (1) 0.6
(2) 0.66
(3) 0.667
(4) 0.67 (.....)
33. You are given A1=2 and B1=0. What will appear in C1, if the formula =A1/B1 is entered in C1?
(1) infinity (2) divide by zero
(3) #DIV/0! (4) error (.....)
34. An MSExcel file **cannot** be saved as a (an)
(1) web page (2) XML document
(3) MSWord document (4) image file (.....)
35. Assume that A1 is wrap text enabled and the text "Selection test for programmer" is entered in A1 of a worksheet. Which of the following is true?
(1) Entire text will be displayed within A1 only.
(2) Every word will be displayed in a new row.
(3) Text will be seen in B1 and C1 also.
(4) Entire text will be displayed in the cell even with a shorter row height. (.....)
36. A student who is new to MSExcel has entered values 25, 10 and 25 in cells A1, A3 and A4. Now the cell pointer is at the cell A5. Then clicked on the Auto Sum icon and pressed Enter key. What will happen?
(1) Nothing will happen.
(2) Number 60 will be displayed in the cell A5.
(3) Number 35 will be displayed in the cell A5.
(4) Number 50 will be displayed in the cell A5. (.....)
37. Assume that MSExcel worksheet contains empty cell A30 and formula =AVERAGE(A30) is entered in the cell A31. What will be displayed in the cell A31 by MSExcel?
(1) #INFINITE (2) #ERROR
(3) #DIV/0! (4) #VALUE! (.....)
38. In an MSExcel worksheet, cell A1 contains "Selection Test" and in the cell A7 the formula =A1+6. What will be displayed by the MSExcel in cell A7?
(1) #INFINITE (2) #ERROR
(3) #DIV/0! (4) #VALUE! (.....)
39. A student was working on an MSExcel worksheet. When he opened the worksheet, all the column headings were in the alphabetical order. However, after sometime, the columns C and D were not visible. What would be the action taken by the student resulted in this situation?
(1) Both columns C and D have been deleted.
(2) These columns have been moved to another worksheet.
(3) He accidentally renamed the columns.
(4) He by mistake has taken "Hide" option. (.....)

40. Consider the following statement about slide master in MS PowerPoint.
- (a) Slide master stores basic information about slide layout.
 - (b) Slide master saves time in providing same look to many slides in the presentation.
 - (c) Every presentation must have at least one slide master.
- Which of the above are correct?
- (1) (a) and (b) only
 - (2) (a) and (c) only
 - (3) (b) and (c) only
 - (4) All (a), (b) and (c) (.....)
41. Which of the following can be used to save a presentation with font embedding and media links to a folder which can be copied to an external storage device?
- (1) Publish slides
 - (2) Package for CD
 - (3) Add a digital signature
 - (4) Encrypt (.....)
42. When you are in the slide show view, which of the following can be used to return to the previous view?
- (1) Enter key
 - (2) Home key
 - (3) ESC key
 - (4) Right mouse button (.....)
43. Which of the following is true with respect to thumbnail presentation view?
- (1) Its order of slides cannot be changed.
 - (2) Slides in thumbnail presentation view cannot be deleted.
 - (3) Contents of a slide cannot be changed in the thumbnail presentation view.
 - (4) Insertion of slides is not possible in thumbnail presentation view. (.....)
44. Which of the following is true regarding MS PowerPoint?
- (1) Notes pages can be viewed by the audience of the slide show.
 - (2) Pictures can be inserted into notes page.
 - (3) Typing is allowed on the slides directly.
 - (4) Characters can be inserted into placeholders. (.....)
45. Consider the following statements about the slide show in MS PowerPoint.
- (a) Slide show can be started from the first slide of the presentation
 - (b) It can be started from the current slide of the presentation
 - (c) Slide show can be customized
- Which of the above are correct?
- (1) (a) and (b) only
 - (2) (a) and (c) only
 - (3) (b) and (c) only
 - (4) All (a), (b) and (c) (.....)
46. Which of the following is **not** a Database Management System?
- (1) MySQL
 - (2) Postgress
 - (3) MSAccess
 - (4) WAMP (.....)
47. A field of a database table which can uniquely identify its records is called the
- (1) Primary key
 - (2) Foreign key
 - (3) Alternate key
 - (4) Composite key (.....)
48. SQL in databases stands for
- (1) Strong Queue Language
 - (2) Structures Query Language
 - (3) Simple Query Language
 - (4) Simplex Query Language (.....)
49. If a database is a collection of tables, a table is a collection of
- (1) attributes
 - (2) domains
 - (3) values
 - (4) records (.....)
50. Which of the following lists contains graphic file formats only ?
- (1) GIF, JPEG, DIF
 - (2) PNG, GIF, JPEG
 - (3) JPEG, TIFF, DIF
 - (4) TIFF, DIF, PNG (.....)

- For the question from No. 51 to 75 provide short answers in this space given.

51. Briefly explain what 'backward compatibility' means.

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52. How do you insert an MS PowerPoint Presentation to an MS Word document?

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53. What is the shortest way to type X^2 ?

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54. Assume that the cursor is in the last column of the last row in a table in an MS Word document. How do you insert a new row below this?

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55. Briefly describe how to insert a watermark to an MS Word document?

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56. Mention how do you copy a format of a paragraph to another paragraph?

.....

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57. Describe how to combine revisions of multiple authors into one MSWord document.

.....

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58. Provide a mechanism to show the final version of revised MSWord document.

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59. State how to insert a new comment to an MSWord document.

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60. Briefly explain how to create a PDF version of an MSWord document.

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61. How do you change the MExcel reference style to R1C1 style?

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62. Assume that in an MSExcel worksheet with a list of thousand employees, you had entered the employee name in two columns as 'First Name' in column A and 'Last Name' in column B as shown in Figure 1. You want to concatenate these two into one 'Full Name' in column C with a single space between the two parts as shown in Figure 2. Write a formula to be entered in C4 to do this.

	A	B	C	D
1	ABC Company Ltd.			
2	Employee Details			
3	First Name	Last Name	Address Line 1	Address Line 2
4	Sithija	Siriwardhane		
5	Amalee	Meegasthane		
6	Lakshman	Perera		

Figure 1

	A	B	C	D
1	ABC Company Ltd.			
2	Employee Details			
3	First Name	Last Name	Full Name	Address Line 1
4	Sithija	Siriwardhane	Sithija Siriwardhane	
5	Amalee	Meegasthane		
6	Lakshman	Perera		

Figure 2

63. Assume that you want to copy **only** the value of the cell C1 having the formula to add values in A 1 and B1 to D4. Explain how you could do this?

64. Explain in briefly, how you can keep a portion of the worksheet visible while the rest of the worksheet scrolls.

65. Briefly describe how you can sort data in a column in ascending order.

66. Write the steps to import data from an MSAccess database to MSExcel.

67. Explain how you save an MSExcel file as a CSV file.

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.....

68. Briefly explain Relative and Absolute cell references, giving one example for each.

Relative cell reference :-

.....

.....

Absolute cell reference :-

.....

.....

69. Write the steps to rotate text to a diagonal angle or vertical orientation in MSExcel.

.....

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70. Name **four** types of charts in MSExcel and state the one purpose of each of them.

- (i)
- (ii)
- (iii)
- (iv)

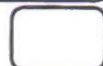
71. Explain what 'synchronous scrolling' means.

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72. Give **four** data types you can use in creating a table in an MSAccess database and one example for each of them.

(i)

(ii)

(iii)

(iv)

73. Two properties that can be applied for field of an MSAccess database table are given below. Briefly state what each field property means.

Format :-

.....

.....

Validation rule :-

.....

.....

74. Write how you can get the relationship diagram of an MSAccess DBMS.

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.....

75. To which category does the relationship between 'Teacher' and 'Student' entities of an Entity - Relationship diagram prepared for a students information system belongs to; One to one, one to many or many to many. Justify your answer.

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* * *



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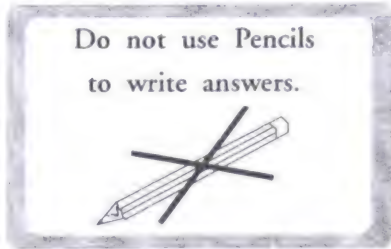
Open Competitive Examination for Recruitment to Class 3 Grade III of Sri Lanka
Information and Communication Technology Service - 2014 (2015)

(ii) Aptitude

One hour

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Checked as correct

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Page No.	Question No.	Marks Awarded
2	1 - 7	
3	8 - 17	
4	18 - 21	
5	22 - 30	
6	31 - 35	
7	36 - 45	
8	46 - 50	
Total		

Final Score

In figures	
In words	
Marking Examiner	
Checked by	

- For each question from No. 1 to 5, a certain problem and two statements as I and II have been given. **On the dotted line** provided against the question, write

- * 1, if the problem can be solved using statement I only.
- * 2, if the problem can be solved using statement II only.
- * 3, if the problem can be solved using statements I and II at the same time.
- * 4, if the problem can be solved using either statement I or II separately.
- * 5, if the problem **cannot** be solved using either of the statements I or II.

1. **Problem** : Who took the least time to finish the motor car race held at Bogambara; Cyril, Amal or Wimal?
Statement : I. Cyril spent more time than Wimal to finish the race.
 II. Wimal finished the race in less time than Amal. (.....)
2. **Problem** : Who receives the highest salary; Arthur, Peter or Nihal?
Statement : I. Nihal receives a higher salary than Peter, while Arthur receives a lower salary than Nihal.
 II. Peter receives a lower salary than Nihal, while Arthur receives a higher salary than Peter. (.....)
3. **Problem** : What was the winning house; at the inter-house sportsmeet of the Ladies College, Olu, Manel, Nelum or Kumudu?
Statement : I. House Manel scored less marks than House Olu.
 II. House Kumudu scored higher marks than House Nelum. (.....)
4. **Problem** : On which day does the hotel prepare the highest number of hoppers; Monday, Wednesday or Friday?
Statement : I. On Monday, less number of hoppers is prepared than Friday, while more hoppers are prepared on Wednesday than Monday.
 II. The number of hoppers prepared on Friday is equal to the sum of the number of hoppers prepared on Monday and Wednesday. (.....)
5. **Problem** : How many square shaped floor tiles of size 30cm×30cm will be required to cover the floor of a square shaped classroom completely?
Statement : I. Perimeter of the classroom is 80 metres.
 II. Area of the classroom floor is 400 square metres. (.....)

- Under each question from No. 6 to 8, three English words have been represented following a certain secret number code. But the digit that represent each English letter of the words is not given in the correct order. Also, the digit that represent each letter may differ from question to question.

Based on the code, find the group of digits that represent the **boldface** English word in the correct order and write the **number** of the relevant choice **on the dotted line** provided against the question.

6. *SHRIFT* - 643512 *PETIT* - 86746 *SPEED* - 18789
SPRIT
 (1) 17246 (2) 17426 (3) 17645 (4) 17864 (.....)
7. *SOLID* - 20631 *LATER* - 64578 *WORDS* - 90812
AWARDS
 (1) 292751 (2) 494812 (3) 494831 (4) 949721 (.....)

8. BARBER - 214254 CANNON - 303356 EDIBLE - 194871

DANCER

(1) 216537 (2) 735612 (3) 753612 (4) 756321 (.....)

- Questions from No. 9 to 12 are based on the following information about the directions taken by six friends who gathered at a four-way junction.

❖ The six friends Amal, Wimal, Kamal, Sunil, Anil and Dinil came to a four-way junction with roads heading towards North, South, East and West. They came from the same direction in three times two friends at a time and walked towards the directions as given below.

- * The friend who came with Amal walked towards East.
- * Sunil walked towards North.
- * The friend who came with Wimal walked towards West.
- * Kamal and Amal walked to the directions opposite to each other.

❖ Two friends coming together, compulsorily walked to the directions opposite to each other.

According to these information, find the correct answer to each question and write the **number** of the relevant choice **on the dotted line** provided against the question.

9. What could be the direction that Dinil walked towards?

(1) North or East (2) North or West (3) South or East (4) South or West (.....)

10. Which two friends exactly walked towards the same direction?

(1) Amal and Anil (2) Wimal and Kamal
(3) Anil and Dinil (4) Dinil and Amal (.....)

11. Which of the following statements is correct regarding the friend who walked towards South?

(1) Exactly Anil (2) Exactly Dinil
(3) Anil or Dinil (4) Not Anil or Dinil (.....)

12. Who **cannot** be the friends who came to the junction together?

(1) Anil and Dinil (2) Amal and Wimal
(3) Amal and Kamal (4) Sunil and Dinil (.....)

- For each question from No. 13 to 17, a series of numbers arranged in a certain pattern is given. Based on the pattern of each question, select the most suitable number for the place posted ? mark and write the **number** of the relevant choice **on the dotted line** provided against the question.

13. 720 , 180 , 60 , 30 , ...?

(1) 10 (2) 15 (3) 20 (4) 30 (.....)

14. 3 , 9 , 54 , 648 , ...?

(1) 3888 (2) 7776 (3) 11664 (4) 15552 (.....)

15. 65 , 50 , 36 , 23 , ...?

(1) 11 (2) 12 (3) 13 (4) 14 (.....)

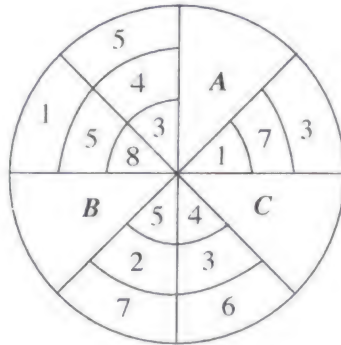
16. 9 , 28 , 65 , 126 , ...?

(1) 164 (2) 184 (3) 217 (4) 245 (.....)

17. 19 , 30 , 40 , 51 , ...?

(1) 60 (2) 61 (3) 62 (4) 63 (.....)

- Questions from No. 18 to 20 are based on the following net of three concentric circles and the related information.



- * Each circle of this net is divided into eight parts and they are numbered from 1 to 8.
- * Each area marked as A, B and C also has a certain part of the net.

Select the correct answer for the following questions based on these information and write the **number** of the relevant choice **on the dotted line** provided against the question.

18. Which of the following parts could fit into the area A?



(1)



(2)



(3)



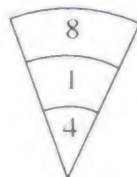
(4)

(.....)

19. Which of the following parts could fit into the area B?



(1)



(2)



(3)



(4)

(.....)

20. Which of the following parts could fit into the area C?



(1)



(2)



(3)



(4)

(.....)

- Select the correct answer for the questions from No. 21 to 25 and write the **number** of the relevant choice **on the dotted line** provided against each question.

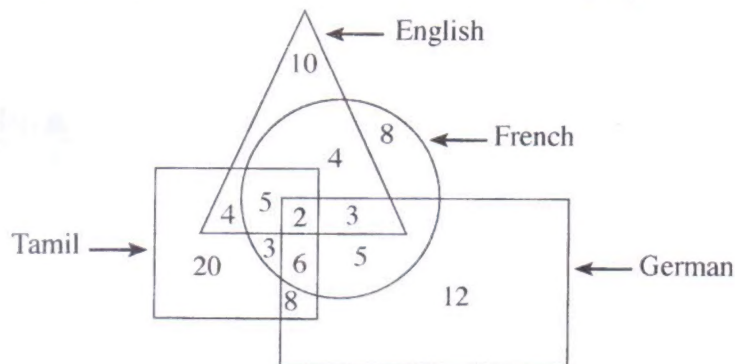
21. In a certain village, bells of the temple, the church and the kovil ring once in every 20 minutes, 30 minutes and 45 minutes respectively. On a certain day, all the three bells rang together at 6.00 pm. At what time will the three bells ring together again?

(1) 9.00 pm (2) 10.00 pm (3) 11.00 pm (4) 12.00 midnight (.....)



22. To build a fence surrounding a square shaped plot of land, 100 fencing posts have been used in similar gaps. If the perimeter of this land is 900 meters, what is the distance in meters between two fencing posts?
 (1) 8 (2) 9 (3) 10 (4) 11 (.....)
23. A group of children standing in a circle count loudly starting from one child and continue from left to right as one, two, three onwards. When the fourth child shouted 'Four', the fifth child heard it as 'Seven' and so he shouted 'Eight'. Counting continues in this order and again when it comes to the fourth child, he shouts 'Forty four' If so, how many children were there in this group?
 (1) 37 (2) 38 (3) 39 (4) 40 (.....)
24. A rambutan seller grouped clusters of rambutan with equal number of rambutan in each cluster. He tied these clusters into bunches so that the number of clusters in a bunch is equal to number of rambutan in one cluster. If the number of rambutan in one such bunch was more than 60 and less than 80, how many rambutan were there in one cluster of that bunch?
 (1) 6 (2) 7 (3) 8 (4) 9 (.....)
25. Thushara has 27 files. They are red, yellow or blue in colour. The number of red files is twice the number of blue files. Further, number of yellow files is three times the number of red files. If so, how many yellow files does he have?
 (1) 9 (2) 12 (3) 15 (4) 18 (.....)

- Questions from No. 26 to 30 are based on the figure given below, representing the numbers of students of a class studying English, French, Tamil and German languages.

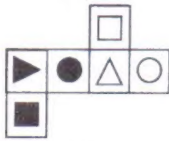


Based on these information, find the correct answer for each of the following questions, and write the **number** of the relevant choice **on the dotted line** provided against the question.

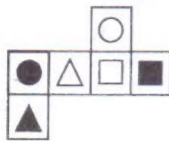
26. What is the mostly studied language?
 (1) English (2) Tamil (3) French (4) German (.....)
27. How many students study at least three languages?
 (1) 5 (2) 10 (3) 14 (4) 16 (.....)
28. How many students study Tamil and English languages but **not** French?
 (1) 4 (2) 5 (3) 7 (4) 9 (.....)
29. How many students study only one more language with German?
 (1) 5 (2) 8 (3) 13 (4) 17 (.....)
30. Which of the following groups of students who study only two languages, which group does **not** have any students?
 (1) French and English (2) Tamil and English
 (3) German and French (4) English and German (.....)

- For each question from No. 31 to 35, a certain position of a dice is shown. Select the block which will make the dice that can be positioned similar to this position and write the **number** of the relevant choice **on the dotted line** provided against the question.

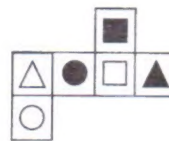
31.



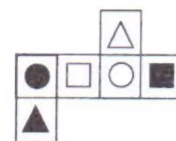
(1)



(2)



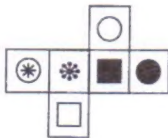
(3)



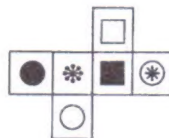
(4)

(.....)

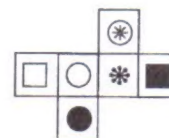
32.



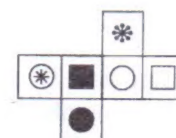
(1)



(2)



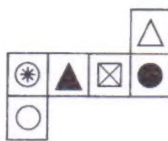
(3)



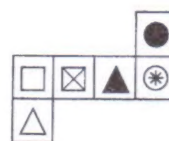
(4)

(.....)

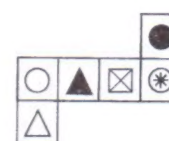
33.



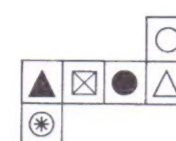
(1)



(2)



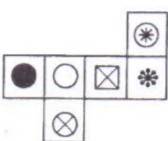
(3)



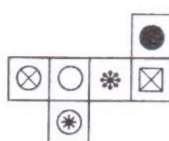
(4)

(.....)

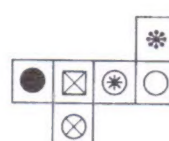
34.



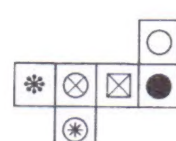
(1)



(2)



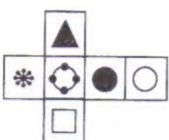
(3)



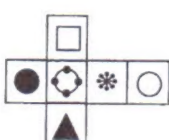
(4)

(.....)

35.



(1)



(2)



(3)



(4)

(.....)

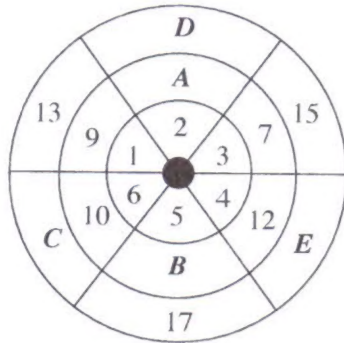
- Questions From No. 36 to 40 are based on the following information about the ages of a group of six officers **A, B, C, D, E**, and **F**.

- * **A** is five years older than **C**.
- * **B** is twice the age of **E**.
- * Sum of the ages of **A** and **E** is 55 years.
- * Sum of ages of **B** and **C** is 71 years.
- * Age of **F** is half the sum of ages of **A** and **B**.
- * Age of **B** is half the sum of ages of **D** and **F**.

According to the information, select the correct answer for the each question and write the **number** of the relevant choice **on the dotted line** provided against the question.

36. What are the ages of **A** and **B** respectively, in years?
 (1) 30, 36 (2) 32, 40 (3) 34, 42 (4) 36, 44 (.....)
37. What is the age difference of **C** and **D**, in years?
 (1) 8 (2) 11 (3) 14 (4) 17 (.....)
38. Who is the eldest?
 (1) **B** (2) **D** (3) **E** (4) **F** (.....)
39. What is the sum of ages of **E** and **F** in years?
 (1) 59 (2) 67 (3) 75 (4) 80 (.....)
40. Who is the youngest?
 (1) **B** (2) **D** (3) **E** (4) **F** (.....)

- Questions from No. 41 to 45 are based on this number cycle which has numbers posted in a certain order and additional information given below.



- * Each part of the cycle named as **A, B, C, D** and **E** also has a number that follow the same order.

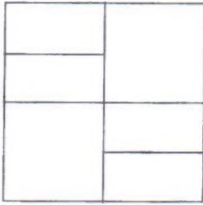
Find the number that fits into the places given in each question according to the above information and write the **number only in numerals on the dotted line** provided against each letter.

41. **A** (.....)
42. **B** (.....)
43. **C** (.....)
44. **D** (.....)
45. **E** (.....)



- For each question from No. 46 to 50, find the correct answer and write it **only in numerals**, on the **dotted line** provided against the question.

46.



How many rectangles does this figure have?

(.....)

47. In a certain IQ test which has 50 questions, 3 marks is awarded for each correct answer and 1 mark is deducted for each incorrect answer. Tharaka who answered all the 50 questions, could score 78 marks. If so, how many questions has Tharaka answered correctly? (.....)
48. When selling a television on cash, a discount of 10% of the marked price is offered and 12% of the selling price is charged as VAT. If a person who bought a television of this brand on cash had to pay Rs. 15 120, what was the marked price of it, in Rupees? (.....)
49. A 6 - meters - long cable weighs 10.8 kilograms. What will be weight of a 10-meters-long cable of the same type? (.....)
50. Every student in a certain class study music or dancing or both as subjects. 8 students of this class study both music and dancing. 18 students study music. 12 students study dancing only. If so, how many students are there in this class? (.....)

* * *

